

## 510(k) SUMMARY OF SAFETY AND EFFECTIVENESS

Alba-Waldensian, Inc.  
425 North Gateway Ave.  
Rockwood, TN 37854  
Telephone: (865) 354-5209  
Fax: (865) 354-1541

APR 03 2002

Contact Person: David Bowman, Technical Director  
Date Prepared: February 15, 2002

**The following is a summary of safety and effectiveness for:**

**Proprietary Name:** albahealth C.A.L.M. Sleeve

**Common/Usual name:** Gradient Compression Arm Sleeve

**Classification Name:** Stocking, Medical Support (per 880.5780)

The C.A.L.M. Sleeve is of circular knit construction, and is constructed from Nylon and Spandex yarns. The sleeve is intended to be worn on the arm, and covers the arm from wrist to 2" below the pivot point of the shoulder. The C.A.L.M. Sleeve is non-sterile, and is not intended to be sterilized in use.

The knit of the sleeve is graduated. The length of yarn knit in gradually increases from the wrist to the upper portion of the sleeve. This results in a sleeve with compression that decreases from the wrist to the upper arm portion of the sleeve.

The C.A.L.M. Sleeve yields 20 to 30 mmHg (millimeters Mercury) compression to the wrist area, with gradually decreasing compression through the upper arm. This is the same level of compression claimed for the Jobst Ready-to-Wear Arm Sleeve (510(k) #K991570) and the Juzo Expert Line Compression Arm Sleeve (510(k) # unknown). This gradient compression helps keep fluid from accumulating in the arm in cases of edema and lymphedema of the arm, and assists in maintenance of the size of the limb in patients undergoing treatment for these conditions.

Search of FDA's MAUDE database did not reveal any adverse events associated with compression arm sleeves. Search of the database under product code DWL identified 10 events associated with graduated compression products (such as anti-embolism and support stockings) designed for use on the leg. Summaries of these 10 adverse events are attached.

Also attached are articles documenting the benefits and effectiveness of compression garments in the treatment of edema and lymphedema.

### HEALTH PRODUCTS DIVISION

Alba-Waldensian, Inc.  
A Member of the Global TEFRON, LTD. Group  
N. Gateway Ave.  
Rockwood, TN 37854  
(865) 354-0410  
Fax: (865) 354-1541



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

Mr. David Bowman  
Technical Director  
Alba-Waldensian, Incorporated  
Healthcare Products Division  
425 North Gateway Avenue  
Rockwood, Tennessee 37854

APR 03 2002

Re: K020592

Trade/Device Name: Albahealth C.A.L.M. Sleeve, Model 59001  
Regulation Number: 880.5780  
Regulation Name: Gradient Compression Arm Sleeve  
Regulatory Class: II  
Product Code: DWL  
Dated: February 15, 2002  
Received: February 22, 2002

Dear Mr. Bowman:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements

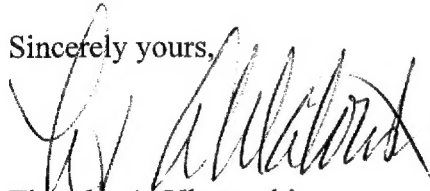
of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 21 CFR Part 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4618. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,



Timothy A. Ulatowski

Director

Division of Dental, Infection Control  
and General Hospital Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

K020592

## Statement of Indications for Use

Albahealth C.A.L.M. Sleeve – Catalog #59001  
Gradient Compression Arm Sleeve

### Indications:

To assist in limb size maintenance of patients with mild to moderate edema or lymphedema of the arm.

*Patricia Cucente*  
(Division Sign-Off)  
Division of Dental, Infection Control,  
General Hospital Devices  
to Number K 020592